



PATENT
ATTORNEY DOCKET NO. 041514-5127

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Takehiko SHIODA)
Application No.: 09/892,787)
Filed: 6/28/01)
Title: Information Providing System)

Commissioner for Patents
Alexandria, VA 22314

Sir:

**SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY
AND GRANT OF NEW POWER OF ATTORNEY**

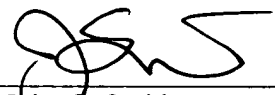
Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

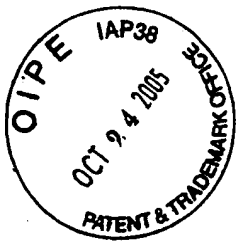
Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: October 24, 2005

By: 
John G. Smith
Registration No. 33,818

CUSTOMER NO. 55694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
Tel: (202) 842-8800
Fax: (202) 842-8465



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: **PIONEER CORPORATION**

Commissioner for Patents
Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), **PIONEER CORPORATION**, a Japanese corporation, certifies that it is an assignee of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to **PIONEER CORPORATION** submitted to the U.S. Patent and Trademark Office.

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 06/10/94 | 04478/041001 | 08/258,104 | 5,521,730 | 05/28/96 | 07/11/1994; 007077/0197 |
| 03/15/95 | 04478/046001 | 08/404,632 | 5,521,750 | 05/28/96 | 05/02/1995; 007550/0562 |
| 12/15/95 | 04478/052001 | 08/573,398 | 5,614,687 | 03/25/97 | 12/15/1995; 007807/0046 |
| 03/28/96 | 04478/058001 | 08/623,558 | 5,684,773 | 11/04/97 | 03/28/1996; 007946/0825 |
| 07/01/96 | 04478/061001 | 08/675,317 | 5,702,792 | 12/30/97 | 07/01/1996; 008074/0586 |
| 08/28/96 | 04478/063001 | 08/697,833 | 5,716,761 | 02/10/98 | 10/17/1996; 008211/0810 |
| 06/04/97 | 04478/071001 | 08/869,010 | 6,025,743 | 02/15/00 | 09/02/1997; 008695/0395 |
| 07/12/95 | 041514-5001 | 08/501,463 | 5,673,359 | 09/30/97 | 07/12/1995; 007608/0810 |
| 03/13/97 | 041514-5003-01 | 08/816,883 | 5,703,437 | 12/30/97 | Not available |
| 11/09/95 | 041514-5005 | 08/556,051 | 5,608,698 | 03/04/97 | 02/23/1996; 007826/0808 |
| 07/07/97 | 041514-5006-01 | 08/889,177 | 5,751,690 | 05/12/98 | 09/23/2003; 014515/0078 |
| 12/19/95 | 041514-5007 | 08/575,080 | 5,748,607 | 05/05/98 | 12/19/1995; 007819/0224 |
| 12/27/95 | 041514-5010 | 08/537,492 | 5,721,580 | 02/24/98 | 04/02/1996; 007872/0646 |
| 12/29/95 | 041514-5011 | 08/581,382 | 5,666,340 | 09/09/97 | 03/28/1996; 007868/0925 |
| 02/14/96 | 041514-5012 | 08/599,963 | 5,742,243 | 04/21/98 | 04/18/1996; 007898/0248 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 2/21/96 | 041514-5014 | 08/604,310 | 5,684,771 | 11/04/97 | 04/23/1996; 007960/0076 |
| 03/27/96 | 041514-5015 | 08/624,894 | 5,722,184 | 03/03/98 | 05/22/1996; 007970/0496 |
| 03/22/96 | 041514-5016 | 08/620,612 | 5,745,460 | 04/28/98 | 04/23/1996; 007907/0616 |
| 06/04/96 | 041514-5017-03 | 08/658,106 | 6,304,286 | 11/14/00 | 08/01/1996; 008061/0338 |
| 08/28/96 | 041514-5018 | 08/705,854 | 5,742,567 | 04/21/98 | 09/23/03; 014515/0078 |
| 08/30/96 | 041514-5019 | 08/697,838 | 5,805,548 | 09/08/98 | 10/18/1996; 008181/0674 |
| 10/02/96 | 041514-5020 | 08/725,037 | 6,020,865 | 02/01/00 | 11/26/1996; 008241/0366 |
| 10/02/96 | 041514-5021 | 08/725,038 | 6,064,357 | 05/16/00 | 11/14/1996; 008201/0527 |
| 11/22/96 | 041514-5022-01 | 08/754,479 | 5,982,104 | 11/09/99 | 02/07/1997; 008340/0480 |
| 11/25/96 | 041514-5023-01 | 08/754,931 | 5,982,414 | 11/09/99 | 02/07/1997; 008340/0553 |
| 12/10/96 | 041514-5026 | 08/763,317 | 5,820,961 | 10/13/98 | 12/10/1996; 008299/0709 |
| 04/23/97 | 041514-5028 | 08/839,184 | 6,148,037 | 12/14/00 | 09/30/1997; 008757/0806 |
| 05/14/97 | 041514-5029 | 08/856,483 | 5,815,536 | 09/29/98 | 05/14/1997; 008575/0581 |
| 08/01/97 | 041514-5030 | 08/905,080 | 6,167,008 | 12/26/00 | 08/01/1997; 009288/0481 |
| 09/19/97 | 041514-5031-01 | 08/951,212 | 6,219,324 | 04/17/01 | 03/25/1998; 009072/0585 |
| 09/02/97 | 041514-5033 | 08/921,468 | 5,886,506 | 03/23/99 | 04/20/1998; 009290/0561 |
| 09/05/97 | 041514-5034 | 08/923,950 | 5,963,184 | 10/05/99 | 02/03/1998; 008986/0034 |
| 10/28/97 | 041514-5035 | 08/959,616 | 6,118,644 | 09/12/00 | 10/28/1997; 008870/0781 |
| 02/11/98 | 041514-5036 | 09/021,938 | 6,084,841 | 07/04/00 | 02/11/1998; 008984/0660 |
| 01/22/98 | 041514-5037 | 09/010,537 | 5,946,277 | 08/31/99 | 06/15/1998; 009308/0209 |
| 05/14/98 | 041514-5038 | 09/078,133 | 6,144,155 | 11/07/00 | 08/04/1998; 009381/0098 |
| 05/14/98 | 041514-5039 | 09/078,138 | 6,147,443 | 11/14/00 | 08/04/1998; 009381/0104 |
| 05/22/98 | 041514-5040 | 09/083,443 | 6,014,060 | 01/11/00 | 05/22/1998; 009190/0569 |
| 07/16/98 | 041514-5041 | 09/116,442 | 6,195,072 | 02/27/01 | 10/06/1998; 009506/0483 |
| 07/07/98 | 041514-5042 | 09/110,383 | 6,211,865 | 04/03/01 | 09/28/1998; 009532/0905 |
| 06/30/98 | 041514-5043 | 09/107,996 | 6,297,788 | 10/02/01 | 09/16/1998; 009464/0865 |
| 07/21/98 | 041514-5044 | 09/119,658 | 6,262,699 | 07/17/01 | 10/16/1998; 009528/0151 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 08/07/98 | 041514-5045 | 09/131,340 | 6,184,612 | 02/06/01 | 10/30/1998; 009664/0641 |
| 04/04/01 | 041514-5046-01 | 09/131,339 | 6,316,873 | 11/13/01 | 11/16/1998; 009589/0769 |
| 08/07/98 | 041514-5047 | 09/131,224 | 6,400,070 | 06/04/02 | 10/27/1998; 009560/0229 |
| 08/07/98 | 041514-5048 | 09/131,225 | 6,278,230 | 08/21/01 | 10/29/1998; 011517/0379 |
| 08/07/98 | 041514-5049 | 09/131,222 | 6,066,922 | 05/23/00 | 11/16/1998; 010386/0576 |
| 06/26/98 | 041514-5050 | 09/105,269 | 6,151,280 | 11/21/00 | 10/23/1998; 009551/0860 |
| 06/26/98 | 041514-5051 | 09/104,930 | 6,101,157 | 08/08/00 | 10/21/1998; 009536/0192 |
| 10/06/98 | 041514-5052 | 09/166,529 | 6,134,211 | 10/17/00 | 12/17/1998; 009653/0875 |
| 12/23/98 | 041514-5053 | 09/219,779 | 6,259,198 | 07/10/01 | 03/03/1999; 009813/0238 |
| 1/8/99 | 041514-5054 | 09/227,532 | 6,522,608 | 02/18/03 | 01/08/99; 009700/0865 |
| 8/29/02 | 041514-5054-01 | 10/230,078 | 6,724,704 | 04/20/04 | 01/08/99; 009700/0865 |
| 8/29/02 | 041514-5054-02 | 10/230,354 | 6,757,228 | 06/29/04 | 01/08/99; 009700/0865 |
| 1/6/99 | 041514-5055 | 09/225,829 | 6,381,399 | 04/30/02 | 01/06/99; 009697/0653 |
| 3/16/99 | 041514-5056 | 09/270,657 | 6,674,695 | 01/06/04 | 06/01/99; 009995/0604 |
| 8/29/02 | 041514-5054-03 | 10/230,097 | 6,661,754 | 12/09/03 | 01/08/99; 009700/0865 |
| 03/18/99 | 041514-5057 | 09/270,827 | 6,292,503 | 09/18/01 | 06/04/1999; 009997/0537 |
| 7/20/01 | 041514-5057-01 | 09/908,560 | 6,573,116 | 06/03/03 | 06/04/99; 009997/0537 |
| 3/19/99 | 041514-5058 | 09/271,989 | 6,445,873 | 09/03/02 | 06/07/99; 010013/0616 |
| 7/31/02 | 041514-5058-01 | 10/207,845 | | | 06/07/99; 010013/0616 |
| 04/27/99 | 041514-5059 | 09/300,411 | 6,262,956 | 07/17/01 | 08/19/1999; 010176/0052 |
| 04/27/99 | 041514-5060 | 09/300,412 | 6,473,376 | 10/29/02 | 07/19/1999; 010105/0082 |
| 06/21/99 | 041514-5061-01 | 09/337,345 | 6,404,729 | 06/11/02 | 06/21/1999; 010057/0764 |
| 06/18/99 | 041514-5062 | 09/335,678 | 6,271,891 | 08/07/01 | 10/06/1999; 010289/0572 |
| 7/19/99 | 041514-5063 | 09/356,676 | 6,580,676 | 06/17/03 | 07/19/99; 010117/0609 |
| 07/08/99 | 041514-5064 | 09/349,918 | 6,122,248 | 09/19/00 | 07/08/1999; 010093/0083 |
| 07/28/99 | 041514-5065-01 | 09/362,198 | 6,404,124 | 06/11/02 | 07/28/1999; 010136/0399 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 10/20/99 | 041514-5066 | 09/421,250 | 6,483,988 | 11/19/02 | 01/04/00; 010475/0202 |
| 10/25/99 | 041514-5067 | 09/425,939 | 6,535,670 | 03/18/03 | 01/03/00; 010508/0906 |
| 10/25/99 | 041514-5068-01 | 09/425,940 | 6,605,227 | 08/12/03 | 01/19/00; 010493/0984 |
| 10/22/99 | 041514-5069 | 09/425,178 | 6,339,581 | 01/15/02 | 01/03/2000; 010507/0738 |
| 10/27/99 | 041514-5070 | 09/427,677 | 6,504,632 | 01/07/03 | 01/12/00; 010495/0134 |
| 3/2/00 | 041514-5071 | 09/517,721 | 6,552,703 | 04/22/03 | 05/15/00; 010790/0218 |
| 3/2/00 | 041514-5072 | 09/517,732 | 6,836,067 | 12/28/04 | 05/12/00; 010796/0386 |
| 03/17/00 | 041514-5073 | 09/531,126 | 6,312,547 | 11/06/01 | 08/01/2000; 010965/0653 |
| 4/10/00 | 041514-5074 | 09/546,282 | 6,552,984 | 04/22/03 | 08/07/00; 011010/0640 |
| 4/12/00 | 041514-5075 | 09/548,264 | 6,680,886 | 01/20/04 | 08/14/00; 011078/0883 |
| 4/12/00 | 041514-5076 | 09/548,263 | 6,690,632 | 02/10/04 | 08/17/00; 011008/0704 |
| 05/05/00 | 041514-5078 | 09/565,025 | 6,335,218 | 01/01/02 | 09/21/2000; 011098/0820 |
| 5/23/00 | 041514-5079 | 09/576,901 | 6,587,409 | 07/01/03 | 09/14/00; 011082/0062 |
| 05/25/00 | 041514-5080 | 09/577,626 | 6,295,256 | 09/25/01 | 10/27/2000; 011261/0829 |
| 6/1/00 | 041514-5081 | 09/584,783 | | | 09/22/00; 011104/0969 |
| 5/31/00 | 041514-5082 | 09/583,757 | 6,518,943 | 02/11/03 | 09/15/00; 011067/0989 |
| 6/20/00 | 041514-5083 | 09/597,094 | 6,496,165 | 12/17/02 | 10/27/00; 011258/0632 |
| 6/21/00 | 041514-5084 | 09/598,291 | 6,535,477 | 03/18/03 | 10/10/00; 011154/0089 |
| 1/21/03 | 041514-5084-01 | 10/347,225 | 6,785,220 | 08/31/04 | 10/10/00; 011154/0089 |
| 8/2/04 | 041514-5084-02 | 10/902,797 | | | 10/10/00; 011154/0089 |
| 06/27/00 | 041514-5085 | 09/604,170 | 6,456,006 | 09/24/02 | 12/04/2000; 011330/0385 |
| 7/7/00 | 041514-5086 | 09/610,690 | 6,545,972 | 04/08/03 | 10/27/00; 011258/0584 |
| 7/13/00 | 041514-5087 | 09/615,592 | 6,756,951 | 06/29/04 | 10/17/00; 011243/0336 |
| 9/7/00 | 041514-5088 | 09/657,163 | 6,594,631 | 07/15/03 | 12/22/00; 011386/0221 |
| 9/14/00 | 041514-5089 | 09/662,347 | 6,479,940 | 11/12/02 | 12/11/00; 011353/0010 |
| 09/19/00 | 041514-5090 | 09/665,075 | 6,449,095 | 09/10/02 | 12/11/2000; 011350/0599 |
| 10/11/00 | 041514-5091 | 09/685,600 | 6,741,543 | 05/25/04 | 02/02/01; 011488/0293 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 10/11/00 | 041514-5092 | 09/685,893 | 6,710,755 | 03/23/04 | 01/29/01; 011477/0177 |
| 10/05/00 | 041514-5093 | 09/679,814 | 6,380,689 | 04/30/02 | 12/22/2000; 011386/0414 |
| 10/27/00 | 041514-5094 | 09/697,737 | 6,667,727 | 12/23/03 | 02/05/01; 011492/0220 |
| 10/20/00 | 041514-5095 | 09/692,415 | | | 02/05/01; 011492/0271 |
| 10/25/00 | 041514-5096 | 09/695,424 | 6,381,202 | 04/30/02 | 02/15/2001; 011526/0602 |
| 11/9/00 | 041514-5097 | 09/708,855 | 6,731,276 | 05/04/04 | 03/26/01; 011639/0932 |
| 11/13/00 | 041514-5098 | 09/709,625 | | | 05/01/01; 011764/0608 |
| 12/18/00 | 041514-5100 | 09/738,950 | 6,714,495 | 03/30/04 | 03/30/01; 011654/0762 |
| 12/18/00 | 041514-5101 | 09/738,949 | 6,804,185 | 10/12/04 | 04/19/01; 011711/0915 |
| 12/20/00 | 041514-5102 | 09/739,646 | 6,628,599 | 09/30/03 | 03/14/01; 011588/0461 |
| 7/23/03 | 041514-5102-01 | 10/624,929 | | | 03/14/01; 011588/0461 |
| 3/27/01 | 041514-5103 | 09/817,246 | | | 04/10/01; 011680/0027 |
| 1/5/01 | 041514-5104 | 09/754,253 | 6,744,063 | 06/01/04 | 11/25/02; 013529/0814 |
| 1/22/01 | 041514-5105 | 09/765,306 | 6,885,616 | 04/26/05 | 04/23/01; 011702/0779 |
| 1/29/01 | 041514-5106 | 09/770,673 | | | 07/23/01; 012006/0292 |
| 2/8/01 | 041514-5107 | 09/778,846 | 6,504,813 | 01/07/03 | 04/30/01; 011764/0662 |
| 2/8/01 | 041514-5108 | 09/778,847 | 6,625,105 | 09/23/03 | 05/07/01; 011778/0423 |
| 2/14/01 | 041514-5109 | 09/782,525 | 6,429,981 | 08/06/02 | 05/16/01; 011809/0399 |
| 2/27/01 | 041514-5110 | 09/793,729 | 6,646,962 | 11/11/03 | 05/07/01; 011778/0420 |
| 3/9/01 | 041514-5111 | 09/801,877 | 6,501,708 | 12/31/02 | 08/03/01; 012064/0694 |
| 3/9/01 | 041514-5112 | 09/801,873 | 6,628,587 | 09/30/03 | 08/03/01; 012058/0696 |
| 3/16/01 | 041514-5113 | 09/809,352 | 6,485,418 | 11/26/02 | 06/25/01; 011931/0985 |
| 03/22/01 | 041514-5114 | 09/813,898 | | | 07/03/2001; 011957/0951 |
| 3/23/01 | 041514-5115 | 09/815,338 | | | 07/09/01; 011961/0931 |
| 3/28/01 | 041514-5116 | 09/817,895 | | | 07/06/01; 011957/0545 |
| 4/8/05 | 041514-5116-01 | 11/101,558 | | | 07/06/01; 011957/0545 |
| 4/8/05 | 041514-5116-02 | 11/101,560 | | | 07/06/01; 011957/0545 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 4/8/05 | 041514-5116-03 | 11/101,596 | | | 07/06/01; 011957/0545 |
| 4/8/05 | 041514-5116-04 | 11/101,407 | | | 07/06/01; 011957/0545 |
| 4/8/05 | 041514-5116-05 | 11/101,595 | | | 07/06/01; 011957/0545 |
| 4/16/01 | 041514-5117 | 09/835,097 | | | 09/10/01; 012143/0154 |
| 4/18/01 | 041514-5118 | 09/836,456 | 6,560,173 | 05/06/03 | 08/06/01; 012057/0904 |
| 4/18/01 | 041514-5119 | 09/836,533 | 6,788,633 | 09/07/04 | 07/10/01; 011969/0624 |
| 5/16/01 | 041514-5120 | 09/855,753 | 6,873,586 | 03/29/05 | 09/10/01; 012157/0106 |
| 6/4/01 | 041514-5121 | 09/871,702 | 6,807,276 | 10/19/04 | 10/02/01; 012227/0656 |
| 6/21/01 | 041514-5122 | 09/885,286 | | | 10/04/01; 012224/0831 |
| 6/19/01 | 041514-5124 | 09/883,494 | 6,876,871 | 04/05/05 | 10/04/01; 012231/0113 |
| 6/21/01 | 041514-5126 | 09/885,526 | 6,690,500 | 02/10/04 | 10/09/01; 012249/0880 |
| 6/28/01 | 041514-5127 | 09/892,787 | | | 10/10/01; 012245/0625 |
| 6/28/01 | 041514-5128 | 09/892,791 | | | 10/10/01; 012245/0691 |
| 6/27/01 | 041514-5129 | 09/893,731 | 6,679,430 | 01/20/04 | 10/22/01; 012271/0692 |
| 11/3/03 | 041514-5129-01 | 10/698,422 | | | 10/22/01; 012271/0692 |
| 6/27/01 | 041514-5130 | 09/891,471 | | | 10/10/01; 012245/0681 |
| 7/3/01 | 041514-5131 | 09/897,413 | 6,542,454 | 04/01/03 | 10/19/01; 012271/0251 |
| 7/5/01 | 041514-5132 | 09/898,488 | 6,618,350 | 09/09/03 | 10/12/01; 012245/0919 |
| 6/2/03 | 041514-5132-01 | 10/449,026 | 6,837,072 | 01/04/05 | 10/12/01; 012245/0919 |
| 4/5/01 | 041514-5133 | 09/898,489 | | | 10/19/01; 012267/0113 |
| 8/3/01 | 041514-5134 | 09/921,308 | 6,865,144 | 03/08/05 | 11/05/01; 012298/0616 |
| 8/8/01 | 041514-5135 | 09/923,804 | 6,687,214 | 02/03/04 | 11/06/01; 012298/0782 |
| 08/10/01 | 041514-5136 | 09/925,960 | | | 11/06/2001; 012298/0631 |
| 8/24/01 | 041514-5138 | 09/935,640 | 6,650,026 | 11/18/03 | 11/06/01; 012298/0587 |
| 8/21/01 | 041514-5139 | 09/933,118 | 6,643,238 | 11/4/03 | 11/05/01; 012298/0657 |
| 8/29/01 | 041514-5140 | 09/940,675 | 6,529,339 | 03/04/03 | 11/30/01; 012334/0439 |
| 8/29/01 | 041514-5141 | 09/940,676 | 6,791,917 | 09/14/04 | 12/05/01; 012342/0868 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 08/29/01 | 041514-5142 | 09/940,693 | 6,510,130 | 01/21/03 | 11/05/2001; 012298/0597 |
| 9/4/01 | 041514-5143 | 09/944,098 | | | 12/04/01; 012344/0154 |
| 9/10/01 | 041514-5144 | 09/948,785 | 6,656,560 | 12/2/03 | 12/07/01; 012357/0123 |
| 10/1/03 | 041514-5144-01 | 10/674,461 | | | 12/07/01; 012357/0123 |
| 10/9/01 | 041514-5145 | 09/972,040 | 6,650,970 | 11/18/03 | 12/19/01; 012387/0185 |
| 10/5/01 | 041514-5147 | 09/971,110 | | | 12/27/01; 012403/0192 |
| 10/10/01 | 041514-5148 | 09/973,071 | 6,590,990 | 07/08/03 | 01/11/02; 012472/0143 |
| 10/10/01 | 041514-5149 | 09/973,073 | | | 01/04/02; 012429/0513 |
| 10/22/01 | 041514-5151 | 09/982,982 | | | 01/14/02; 012470/0513 |
| 10/29/01 | 041514-5152 | 09/984,251 | 6,882,615 | 04/19/05 | 01/28/02; 012522/0440 |
| 2/15/05 | 041514-5152-01 | 11/057,597 | | | 01/28/02; 012522/0440 |
| 11/6/01 | 041514-5153 | 09/985,953 | 6,590,857 | 07/08/03 | 02/04/02; 012554/0339 |
| 2/8/00 | 041514-5154 | 09/497,694 | 6,329,667 | 12/11/01 | 05/09/00; 010775/0009 |
| 11/16/01 | 041514-5154-01 | 09/987,948 | 6,537,839 | 03/25/03 | 02/27/02; 012618/0826 |
| 11/20/01 | 041514-5155 | 09/988,813 | 6,667,947 | | 02/04/02; 012554/0287 |
| 10/13/94 | 041514-5156 | 08/322,353 | 5,754,874 | 05/19/98 | 09/23/2003; 014515/0110 |
| 12/12/96 | 041514-5157 | 08/766,591 | 5,766,354 | 06/16/98 | 12/12/1996; 008356/0669 |
| 12/14/92 | 041514-5158 | 07/990,168 | 5,331,582 | 07/19/94 | 02/03/1993; 006440/0201 |
| 12/3/01 | 041514-5159 | 09/999,194 | | | 03/08/02; 012679/0584 |
| 12/3/01 | 041514-5160 | 09/999,195 | 6,594,091 | 7/15/03 | 02/08/02; 012576/0281 |
| 12/4/01 | 041514-5161 | 10/000,809 | | | 02/26/02; 012657/0359 |
| 12/10/01 | 041514-5162 | 10/006,987 | | | 02/28/02; 012637/0232 |
| 12/12/01 | 041514-5163 | 10/012,366 | | | 09/23/03; 014516/0190 |
| 12/13/01 | 041514-5164 | 10/013,955 | | | 03/11/02; 012689/0866 |
| 12/21/01 | 041514-5165 | 10/024,602 | 6,775,085 | 08/10/04 | 04/15/2002; 012800/0932 |
| 07/22/04 | 041514-5165-01 | 10/895,949 | | | 09/23/03; 014516/0190 |
| 12/20/01 | 041514-5166 | 10/022,843 | | | 03/19/02; 012710/0157 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 6/29/00 | 041514-5167 | 09/606,170 | 6,348,754 | 02/19/02 | 09/05/00; 011047/0418 |
| 1/14/02 | 041514-5167-01 | 10/043,177 | 6,510,597 | 01/28/03 | 09/05/00; 011047/0418 |
| 12/10/99 | 041514-5168 | 09/458,028 | 6,353,582 | 03/05/02 | 03/06/2000; 010594/0683 |
| 09/13/99 | 041514-5169 | 09/394,503 | 6,392,966 | 05/21/02 | 11/05/1999; 010364/0992 |
| 8/16/02 | 041514-5170-01 | 09/414,034 | 6,504,808 | 01/07/03 | 04/03/00; 010940/0886 |
| 12/16/02 | 041514-5170-02 | 10/319,537 | 6,671,245 | 12/30/03 | 04/03/00; 010940/0886 |
| 3/1/00 | 041514-5171 | 09/516,731 | 6,748,001 | 06/08/04 | 05/19/00; 010803/0859 |
| 8/6/01 | 041514-5172 | 09/921,597 | 6,687,604 | 02/03/04 | 11/01/01; 012294/0042 |
| 3/4/99 | 041514-5173 | 09/262,352 | 6,658,054 | 12/02/03 | 05/11/99; 009952/0756 |
| 1/10/03 | 041514-5174-01 | 09/379,636 | 6,807,571 | 10/19/04 | 10/26/99; 010369/0506 |
| 7/23/97 | 041514-5176 | 08/899,334 | 5,859,818 | 01/12/99 | 07/23/97; 008653/0605 |
| 12/2/93 | 041514-5177-01 | 08/160,289 | 5,457,475 | 10/10/95 | Not Available |
| 03/23/00 | 041514-5178 | 09/533,763 | 6,301,028 | 10/09/01 | 07/20/2000; 010976/0343 |
| 4/25/00 | 041514-5179 | 09/557,616 | 6,552,751 | 4/22/03 | 08/29/00; 011038/0292 |
| 6/30/00 | 041514-5182 | 09/607,336 | | | 10/20/00; 011174/0715 |
| 11/28/00 | 041514-5183 | 09/723,281 | 6,842,194 | 01/11/05 | 05/02/01; 011760/0425 |
| 06/30/00 | 041514-5182-01 | 11/188,775 | | | |
| 12/2/93 | 041514-5184 | 08/160,254 | 5,459,593 | 10/17/95 | 01/26/94; 6839/0956 |
| 1/2/00 | 041514-5185 | 09/704,063 | 6,480,456 | 11/12/02 | 02/12/01; 011512/0379 |
| 7/24/00 | 041514-5186 | 09/624,194 | 6,707,438 | 03/16/04 | 10/20/00; 011174/0707 |
| 12/5/03 | 041514-5186-01 | 10/727,630 | | | 10/20/00; 011174/0707 |
| 12/01/99 | 041514-5187 | 09/452,123 | 6,252,495 | 06/26/01 | 12/01/1999; 010431/0635 |
| 03/04/99 | 041514-5188 | 09/262,353 | 6,278,675 | 08/21/01 | 05/11/1999; 009941/0089 |
| 9/7/03 | 041514-5189 | 09/656,953 | | | 11/14/00; 011309/0921 |
| 01/24/01 | 041514-5191 | 09/768,004 | 6,493,158 | 12/10/02 | 05/14/2001; 011785/0247 |
| 3/30/96 | 041514-5192 | 08/040,276 | 5,512,919 | 04/30/96 | 05/30/93; 6517/555/556 |
| 3/24/03 | 041514-5193- | 09/492,296 | 6,618,346 | 09/09/03 | 04/25/00; 010726/0933 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| | 01 | | | | |
| 08/16/93 | 041514-5195 | 08/106,698 | 5,455,817 | 10/03/95 | 08/16/1993; 006669/0688 |
| 06/13/00 | 041514-5198 | 09/593,791 | | | |
| 10/25/00 | 041514-5200 | 09/695,050 | | | 01/22/01; 011718/0656 |
| 9/17/01 | 041514-5202 | 09/953,453 | 6,594,221 | 07/15/03 | 02/13/02; 012595/0623 |
| 9/28/00 | 041514-5204 | 09/671,601 | 6,813,508 | 11/2/04 | 01/04/01; 011399/0773 |
| 3/8/01 | 041514-5205 | 09/801,055 | 6,906,686 | 06/14/05 | 05/23/01; 011827/0989 |
| 3/29/01 | 041514-5206 | 09/820,284 | 6,597,442 | 07/22/03 | 06/29/01; 011945/0718 |
| 3/8/01 | 041514-5208 | 09/801,053 | 6,771,231 | 08/03/04 | 05/23/01; 011827/0977 |
| 6/21/00 | 041514-5209 | 09/598,222 | 6,670,079 | 12/30/03 | 09/13/00; 011174/0835 |
| 10/4/01 | 041514-5210 | 09/969,735 | 6,806,852 | 10/19/04 | 01/08/02; 012457/0624 |
| 1/14/02 | 041514-5211 | 10/043,260 | | | 04/15/02; 012801/0057 |
| 1/14/02 | 041514-5212 | 10/043,287 | | | 04/10/02; 012780/0466 |
| 1/11/02 | 041514-5214 | 10/042,396 | 6,870,800 | 03/22/05 | 03/29/02; 012742/0381 |
| 1/14/02 | 041514-5215 | 10/043,259 | 6,891,783 | 05/10/05 | 04/03/02; 012770/0359 |
| 01/13/92 | 041514-5218 | 07/819,987 | 5,578,948 | 11/26/96 | 01/13/1992; 005987/0309 |
| 09/07/94 | 041514-5219-01 | 08/302,376 | 5,532,992 | 07/02/96 | Not Available |
| 3/26/93 | 041514-5221 | 08/037,101 | 5,374,489 | 12/20/94 | 05/21/93; 006544/0485 |
| 02/06/91 | 041514-5223 | 07/651,605 | 5,161,033 | 11/03/92 | 02/06/1991; 005599/0725 |
| 03/15/93 | 041514-5225 | 08/032,209 | 5,262,774 | 11/16/93 | Not Available |
| 06/24/92 | 041514-5228 | 07/903,165 | 5,250,928 | 10/05/93 | 09/23/03; 014515/0110 |
| 9/18/01 | 041514-5229 | 09/954,221 | | | 02/13/02; 012608/0104 |
| 8/27/01 | 041514-5230 | 09/938,828 | | | 01/28/02; 012522/0491 |
| 8/23/01 | 041514-5231 | 09/935,054 | 6,828,936 | 12/07/04 | 03/21/02; 012710/0141 |
| 3/23/00 | 041514-5232 | 09/651,739 | 6,414,762 | 07/02/02 | 12/06/00; 011921/0152 |
| 02/10/95 | 041514-5233 | 08/386,494 | 5,546,220 | 08/13/96 | 03/22/1995; 007404/0447 |
| 07/25/97 | 041514-5235 | 08/900,171 | 5,982,804 | 11/09/99 | 07/25/1997; 008687/0423 |
| 09/21/99 | 041514-5235- | 09/399,768 | 6,291,256 | 09/18/01 | 07/25/1997; 008687/0423 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| | 01 | | | | |
| 04/23/97 | 041514-5236 | 08/838,994 | 5,953,585 | 09/14/99 | 04/23/1997; 008538/0768 |
| 03/07/97 | 041514-5237 | 08/813,211 | 5,894,189 | 04/13/99 | 07/08/1997; 008617/0647 |
| 03/26/97 | 041514-5238 | 08/824,439 | 6,049,654 | 04/11/00 | 03/26/1997; 008475/0711 |
| 04/23/97 | 041514-5239 | 08/838,926 | 6,009,070 | 12/28/99 | 04/23/1997; 008528/0780 |
| 11/16/99 | 041514-5241 | 09/441,202 | 6,567,059 | 05/20/03 | 02/22/2000; 010562/0857 |
| 1/23/02 | 041514-5242 | 10/052,568 | 6,801,489 | 10/05/04 | 04/10/2002; 012798/0349 |
| 2/8/02 | 041514-5243 | 10/067,981 | | | 04/15/2002; 012800/0912 |
| 7/25/94 | 041514-5245-01 | 08/279,815 | 5,399,936 | 03/21/95 | Not Available |
| 07/15/96 | 041514-5250 | 08/680,041 | 5,736,815 | 04/07/98 | 07/15/1996; 008142/0337 |
| 02/13/96 | 041514-5251 | 08/600,659 | 5,650,988 | 07/22/97 | 05/13/1996; 008130/0331 |
| 01/23/96 | 041514-5253 | 08/590,304 | 5,799,046 | 08/25/98 | 03/15/1996; 007842/0913 |
| 2/28/02 | 041514-5254 | 10/084,668 | 6,836,458 | 12/28/04 | 05/22/2002; 012921/0676 |
| 3/6/02 | 041514-5255 | 10/091,345 | 6,720,056 | 04/13/04 | 06/05/2002; 012979/0325 |
| 3/18/02 | 041514-5256 | 10/098,619 | | | 06/24/2002; 013030/0963 |
| 3/25/02 | 041514-5257 | 10/104,064 | | | 06/21/2002; 013027/0039 |
| 4/2/02 | 041514-5260 | 10/112,766 | | | 04/02/2002; 012781/0257 |
| 5/13/02 | 041514-5261 | 10/142,958 | | | 05/13/2002; 012895/0102 |
| 5/17/02 | 041514-5262 | 10/147,050 | | | 08/05/2002; 013137/0439 |
| 5/22/02 | 041514-5263 | 10/152,073 | | | 05/22/2002; 012923/0068 |
| 05/28/02 | 041514-5264 | 10/154,926 | 6,922,180 | 07/26/05 | 05/28/2002; 012940/0316 |
| 6/11/02 | 041514-5266 | 10/165,953 | | | 06/11/2002; 012987/0801 |
| 12/18/92 | 041514-5267 | 07/992,648 | 5,822,775 | 10/13/98 | 02/18/1993; 006455/0861 |
| 06/02/93 | 041514-5268 | 08/071,014 | 5,355,175 | 10/11/94 | 07/06/1993; 006623/0318 |
| 10/24/96 | 041514-5269 | 08/736,609 | 5,825,248 | 10/20/98 | 01/08/1997; 008318/0841 |
| 12/17/96 | 041514-5270 | 08/766,362 | 5,827,593 | 10/27/98 | 12/17/1996; 008804/0778 |
| 05/24/96 | 041514-5271 | 08/653,160 | 5,828,181 | 10/27/98 | 07/03/1996; 008020/0274 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 7/15/02 | 041514-5272 | 10/193,991 | | | 07/16/2002; 013103/0012 |
| 7/16/02 | 041514-5273 | 10/195,438 | | | 07/16/2002; 013114/0055 |
| 7/22/02 | 041514-5274 | 10/199,706 | | | 07/22/2002; 013131/0525 |
| 07/25/02 | 041514-5275 | 10/201,923 | | | |
| 9/24/02 | 041514-5276 | 10/252,373 | | | 09/24/2002; 013322/0428 |
| 9/24/02 | 041514-5277 | 10/252,403 | 6,680,683 | 01/20/04 | 09/24/2002; 013327/0855 |
| 9/13/02 | 041514-5279 | 10/242,766 | 6,798,145 | 09/28/04 | 09/13/2002; 013294/0664 |
| 9/20/02 | 041514-5280 | 10/247,680 | | | 09/20/2002; 013317/0878 |
| 9/23/02 | 041514-5281 | 10/252,008 | | | 12/10/2002; 013571/0652 |
| 10/16/02 | 041514-5282 | 10/257,719 | | | 10/16/2002; 013407/0677 |
| 11/18/02 | 041514-5283 | 10/295,860 | | | 11/18/2002; 013515/0160 |
| 12/9/02 | 041514-5284 | 10/314,256 | 6,870,521 | 03/22/05 | 09/23/2003; 014516/0190 |
| 11/27/02 | 041514-5285 | 10/304,854 | | | 11/27/2002; 013538/0891 |
| 12/9/02 | 041514-5286 | 10/314,258 | | | 12/09/2002; 013561/0418 |
| 12/17/02 | 041514-5287 | 10/320,414 | 6,844,043 | 01/18/05 | 12/17/2002; 013594/0067 |
| 12/16/02 | 041514-5288 | 10/319,698 | | | 02/11/2004; 014994/0169 |
| 12/19/02 | 041514-5289 | 10/322,755 | | | 04/01/2003; 013909/0922 |
| 12/14/94 | 041514-5290 | 08/356,052 | 5,452,273 | 09/19/95 | Not Available |
| 1/29/03 | 041514-5291 | 10/352,996 | | | 01/29/2003; 013722/0565 |
| 10/15/92 | 041514-5292 | 07/961,506 | 5,429,884 | 07/04/95 | 10/15/1992; 006295/0360 |
| 3/12/03 | 041514-5293 | 10/385,690 | | | 03/21/2003; 013870/0744 |
| 4/8/03 | 041514-5294 | 10/408,652 | | | 07/14/2003; 014269/0943 |
| 4/25/03 | 041514-5295 | 10/422,761 | | | 04/25/2003; 014006/0954 |
| 5/13/03 | 041514-5296 | 10/436,368 | 6,841,218 | 01/11/05 | 07/14/2003; 014286/0506 |
| 5/19/03 | 041514-5297 | 10/440,376 | | | 05/19/2003; 014092/0554 |
| 5/21/03 | 041514-5298 | 10/442,110 | | | 05/21/2003; 014104/0578 |
| 6/6/03 | 041514-5299 | 10/455,477 | | | 06/06/2003; 014161/0313 |
| 6/6/03 | 041514-5300 | 10/455,726 | | | 06/06/2003; 014161/0904 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 6/14/95 | 041514-5301 | 08/490,357 | 5,666,460 | 09/09/97 | 09/23/2003; 014515/0078 |
| 10/14/93 | 041514-5302 | 08/135,997 | 5,475,440 | 12/12/95 | 09/23/2003; 014515/0110 |
| 7/10/03 | 041514-5303 | 10/616,501 | | | 10/31/2003; 014650/0343 |
| 7/17/03 | 041514-5304 | 10/620,436 | | | 07/17/2003; 014310/0793 |
| 8/8/03 | 041514-5305 | 10/636,709 | | | 08/08/2003; 014378/0924 |
| 9/3/03 | 041514-5306 | 10/653,428 | | | 01/16/2004; 014906/0305 |
| 09/05/03 | 041514-5307 | 10/655,584 | | | 01/21/2004; 014925/0127 |
| 9/9/03 | 041514-5308 | 10/657,697 | | | 02/02/2004; 014954/0891 |
| 9/29/03 | 041514-5309 | 10/672,076 | 6,873,117 | 03/29/05 | 02/13/2004; 014985/0412 |
| 10/7/03 | 041514-5310 | 10/679,503 | 6,856,083 | 02/15/05 | 03/04/2004; 015049/0649 |
| 10/17/03 | 041514-5311 | 10/686,780 | | | 03/01/2004; 015038/0438 |
| 10/17/03 | 041514-5312 | 10/686,742 | | | 10/17/2003; 014618/0527 |
| 11/5/03 | 041514-5313 | 10/701,080 | | | 03/02/2004; 015032/0056 |
| 12/3/03 | 041514-5314 | 10/725,502 | | | 12/03/2003; 014767/0793 |
| 12/2/03 | 041514-5315 | 10/724,902 | | | 12/02/2003; 014767/0561 |
| 12/2/03 | 041514-5316 | 10/724,896 | | | 12/02/2003; 014767/0558 |
| 12/12/03 | 041514-5317 | 10/733,290 | | | 12/12/2003; 014813/0168 |
| 12/12/03 | 041514-5318 | 10/733,304 | | | 12/12/2003; 014817/0223 |
| 1/20/04 | 041514-5319 | 10/759,161 | | | 01/20/2004; 014904/0639 |
| 2/13/04 | 041514-5320 | 10/777,213 | | | 07/02/2004; 015528/0113 |
| 3/16/04 | 041514-5321 | 10/489,671 | | | 03/16/2004; 015671/0218 |
| 3/2/04 | 041514-5322 | 10/790,195 | | | 03/02/2004; 015052/0711 |
| 3/2/04 | 041514-5323 | 10/789,993 | | | 03/02/2004; 015034/0322 |
| 3/15/04 | 041514-5324 | 10/489,704 | | | 03/15/2004; 015738/0054 |
| 3/11/04 | 041514-5325 | 10/797,573 | | | 07/21/2004; 015591/0263 |
| 3/15/04 | 041514-5326 | 10/489,703 | | | 03/15/2004; 015671/0195 |
| 03/12/04 | 041514-5327 | 10/798,974 | | | 04/26/2004; 015609/0579 |
| 5/24/04 | 041514-5328 | 10/496,465 | | | 05/24/2004; 015710/0791 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 3/23/04 | 041514-5329 | 10/806,449 | | | 03/23/2004; 015125/0758 |
| 04/29/04 | 41514-5330 | 10/834,234 | | | |
| 6/10/04 | 041514-5331 | 10/864,770 | | | 10/01/2004; 015854/0685 |
| 6/16/04 | 041514-5333 | 10/868,034 | | | 06/16/2004; 015476/0902 |
| 6/16/04 | 041514-5334 | 10/868,185 | | | 10/08/2004; 015879/0991 |
| 6/29/04 | 041514-5335 | 10/878,675 | | | 10/13/2004; 015890/0807 |
| 6/29/04 | 041514-5336 | 10/878,517 | | | 06/29/2004; 015526/0717 |
| 7/9/04 | 041514-5337 | 10/886,714 | | | 07/09/2004; 015569/0798 |
| 7/19/04 | 041514-5338 | 10/893,232 | | | 07/19/2004; 015586/0407 |
| 08/06/04 | 041514-5339 | 10/503,668 | | | 08/06/2004; 016382/0530 |
| 7/19/04 | 041514-5340 | 10/893,219 | | | 07/19/2004; 015586/0393 |
| 9/21/04 | 041514-5341 | 10/945,092 | | | 09/21/2004; 015821/0022 |
| 03/31/05 | 041514-5342 | 10/509,428 | | | |
| 05/13/05 | 041514-5343 | 10/508,857 | | | |
| 03/17/05 | 041514-5344 | 10/509,079 | | | |
| 10/13/04 | 041514-5345 | 10/962,514 | | | 10/13/2004; 015892/0479 |
| 9/30/04 | 041514-5346 | 10/953,287 | | | 09/30/2004; 015856/0339 |
| 08/28/97 | 041514-5347 | 08/919,355 | 6,225,987 | 05/01/01 | 01/15/1998; 009050/0712 |
| 9/28/04 | 041514-5348 | 10/950,559 | | | 09/28/2004; 015847/0691 |
| 9/28/04 | 041514-5349 | 10/950,556 | | | 09/28/2004; 015856/0314 |
| 09/28/04 | 041514-5350 | 10/950,684 | | | 01/12/2005; 016152/0642 |
| 10/13/04 | 041514-5351 | 10/962,531 | | | 10/13/2004; 015892/0308 |
| 10/06/04 | 041514-5352 | 10/958,639 | | | 01/14/2005; 016156/0251 |
| 10/08/04 | 041514-5353 | 10/960,283 | | | 01/24/2005; 016207/0214 |
| 12/21/01 | 041514-5354 | 10/028,237 | 6,882,327 | 04/19/05 | 12/21/2001; 012417/0686 |
| 2/13/02 | 041514-5355 | 10/365,971 | 6,847,339 | 01/25/05 | 12/17/2004; 015478/0218 |
| 04/25/02 | 041514-5356 | 10/131,048 | | | 04/25/2002; 012834/0676 |
| 01/05/01 | 041514-5357 | 09/755,696 | | | Assignment filed 07/29/05 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 07/29/04 | 041514-5358 | 10/901,752 | | | 07/29/2004; 015645/0957 |
| 07/27/04 | 041514-5359 | 10/899,649 | | | Assignment filed 07/29/05 |
| 05/22/01 | 041514-5360 | 09/862,918 | 6,888,517 | 05/03/05 | 05/22/2001; 011845/0814 |
| 04/22/02 | 041514-5361 | 10/126,583 | | | 04/22/2002; 012821/0273 |
| 06/08/01 | 041514-5362 | 09/877,293 | 6,765,621 | 07/20/04 | 06/08/2001; 011896/0888 |
| 05/31/01 | 041514-5363 | 09/871,436 | 6,806,911 | 10/19/04 | 05/31/2001; 011878/0991 |
| 12/17/01 | 041514-5364 | 10/022,629 | | | 12/17/2001; 012404/0588 |
| 09/24/03 | 041514-5365 | 10/669,549 | 6,833,824 | 12/21/04 | 12/15/2004; 015460/0617 |
| 09/24/03 | 041514-5365 | 10/669,549 | 6,833,824 | 12/21/04 | Assignment filed 07/29/05 |
| 02/23/01 | 041514-5366 | 09/791,530 | 6,819,046 | 11/16/04 | Assignment filed 07/29/05 |
| 12/20/00 | 041514-5367 | 09/739,789 | 6,922,191 | 07/26/05 | 03/26/2001; 011637/0257 |
| 11/23/01 | 041514-5368 | 09/992,052 | | | Assignment filed 07/29/05 |
| 05/29/01 | 041514-5369 | 09/867,098 | | | Assignment filed 07/29/05 |
| 07/07/00 | 041514-5371 | 09/612,120 | | | Assignment filed 07/29/05 |
| 07/12/02 | 041514-5372 | 10/194,542 | | | 09/04/2002; 013260/0557 |
| 7/24/03 | 041514-5373 | 10/625,877 | | | 07/24/2003; 014330/0470 |
| 11/16/04 | 041514-5374 | 10/988,535 | | | 11/16/2004; 016009/0459 |
| 11/08/01 | 041514-5375 | 10/008,856 | | | Assignment filed 07/29/05 |
| 11/23/04 | 041514-5377 | 10/995,089 | | | 02/14/2005; 016262/0957 |
| 05/09/00 | 041514-5378 | 09/567,344 | | | |
| 11/27/01 | 041514-5379 | 09/995,383 | 6,803,722 | 10/12/04 | Assignment filed 07/29/05 |
| 12/02/04 | 041514-5380 | 11/001,648 | | | 03/30/2005; 016407/0502 |
| 12/01/04 | 041514-5381 | 11/000,523 | | | 03/09/2005; 016348/0698 |
| 12/6/04 | 041514-5382 | 11/003,329 | | | 03/11/2005; 016354/0442 |
| 02/27/01 | 041514-5383 | 09/794,182 | | | Assignment filed 07/29/05 |
| 01/10/00 | 041514-5384 | 09/479,875 | 6,784,857 | 08/31/04 | Assignment filed 07/29/05 |
| 06/25/02 | 041514-5385 | 10/178,248 | 6,784,615 | 08/31/04 | Assignment filed 07/29/05 |
| 08/31/04 | 041514-5385-01 | 10/929,541 | | | Assignment filed 07/29/05 |

| Filing Date | Attorney Docket No. | Application No. | Patent No. | Issue Date | Recordation Info. Date; Reel/Frame |
|-------------|---------------------|-----------------|------------|------------|------------------------------------|
| 07/09/02 | 041514-5386 | 10/190,510 | 6,852,646 | 02/08/05 | Assignment filed 07/29/05 |
| 01/14/05 | 041514-5388 | 11/034,851 | | | 01/14/2005; 016192/0351 |
| 04/16/04 | 041514-5387-01 | 10/826,188 | | | Assignment filed 07/29/05 |
| 01/14/05 | 041514-5388 | 11/034,851 | | | 01/14/2005; 016192/00351 |
| 12/18/03 | 041514-5389 | 10/738,090 | | | Assignment filed 07/29/05 |
| 12/10/03 | 041514-5390 | 10/730,932 | 6,930,285 | 08/16/05 | Assignment filed 07/29/05 |
| 03/29/04 | 041514-5391 | 10/810,618 | | | Assignment filed 07/29/05 |
| 09/29/04 | 041514-5392 | 10/951,765 | | | Assignment filed 07/29/05 |
| 11/17/03 | 041514-5393 | 10/713,005 | | | Assignment filed 07/29/05 |
| 07/11/03 | 041514-5395 | 10/617,233 | | | Assignment filed 07/29/05 |
| 01/14/05 | 041514-5396 | 10/521,442 | | | |
| 01/12/05 | 041514-5397 | 11/033,958 | | | |
| 2/1/05 | 041514-5398 | 11/046,799 | | | |
| 02/28/05 | 041514-5399 | 11/067,603 | | | Assignment filed 07/29/05 |
| 03/07/05 | 041514-5400 | 11/072,648 | | | |
| 3/7/05 | 041514-5401 | 11/072,647 | | | 02/01/2005; 016243/0936 |
| 03/23/05 | 041514-5402 | 11/086,670 | | | |
| 03/15/05 | 041514-5403 | 11/079,537 | | | Assignment filed 07/29/05 |
| 03/24/05 | 041514-5404 | 11/089,130 | | | |
| 03/24/05 | 041514-5405 | 11/101,628 | | | Assignment filed 07/29/05 |
| 04/18/05 | 041514-5407 | 11/108,056 | | | |
| 4/27/05 | 041514-5408 | 10/532,967 | | | |
| 05/06/05 | 041514-5409 | 11/123,212 | | | |
| 06/02/05 | 041514-5411 | 11/142,670 | | | |
| 07/25/05 | 041514-5412 | 11/188,102 | | | |
| 03/18/05 | | 11/083,072 | | | |
| 03/23/05 | | 11/086,999 | | | |
| 03/24/05 | | 11/087,720 | | | |

The undersigned, whose title is supplied below, is empowered to act on behalf of assignee Pioneer Corporation.

Acting on behalf of assignee Pioneer Corporation, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W.
Suite 1100
Washington, DC 20005

with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

All correspondence regarding these applications should be sent to JOHN G.

SMITH at:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W.
Suite 1100
Washington, DC 20005

Respectfully submitted,

Date: September 22, 2005

Kenichiro Yasukawa
Kenichiro Yasukawa
General Manager
Intellectual Property Division
Patent Application Group
Research & Development Group
PIONEER CORPORATION
1-4-1 Meguro, Meguro-ku
Tokyo 153-8654, Japan